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(54) PICTURE-ENCODING DEVICE AND PICTURE-TRANSMISSION SYSTEM USING THE SAME AND QUANTIZATION CONTROLLING METHOD AND MEAN THROUGH-PUT CALCULATING METHOD USED FOR THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To suppress a transmission delay time, and to attain smooth dynamic image display, even when the generated information amounts rapidly increase due to the rapid movement of a subject, or a communicating state is fluctuating.

SOLUTION: Image data encoded by an encoding device 12 are temporarily stored in a temporary buffer 13 before being transmitted to a transmission buffer 171. When the information amounts of an image frame stored in the temporarily buffer 13 are larger than a preliminary set threshold value, a dropping and quantization controller 16 cancels the image data in the temporarily buffer 13, sets a quantization value with a quantization step width larger than a quantization step width used at the time of encoding the picture frame stored in the temporarily buffer 13, and outputs it to the encoding device 12.

